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Rabbit Anti-EFHD2 antibody

SL14520R

Product Name:	EFHD2
Chinese Name:	EFHD2蛋白抗体
Alias:	EF hand domain containing protein 2; EF hand domain family, member D2; EF-hand domain-containing protein D2; EFHD 2; EFHD2; EFHD2_HUMAN; RP3-467K16.3; Swiprosin 1; Swiprosin-1; SWS1.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Pig,Cow,Sheep,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500（Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	27kDa
Cellular localization:	The cell membrane
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human EFHD2:51-150/240
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	EFHD2 is a 240 amino acid protein that regulates spontaneous apoptosis through the regulation of Bcl-xS abundance. Localized to membrane raft, Swiprosin-1 is expressed in lymphocytes and contains two EF-hand domains. The gene encoding Swiprosin-1 maps to human chromosome 1, which spans 260 million base pairs, contains over 3,000 genes and comprises nearly 8% of the human genome. Chromosome 1 houses a large

number of disease-associated genes, including those that are involved in familial adenomatous polyposis, Stickler syndrome, Parkinson's disease, Gaucher disease, schizophrenia and Usher syndrome. Aberrations in chromosome 1 are found in a variety of cancers, including head and neck cancer, malignant melanoma and multiple myeloma.

Function:
May regulate B-cell receptor (BCR)-induced immature and primary B-cell apoptosis (By similarity). Plays a role as negative regulator of the canonical NF-kappa-B-activating branch (By similarity). Controls spontaneous apoptosis through the regulation of BCL2L1 abundance.

Subcellular Location:
Membrane raft. In immature B-cell line WEHI231.

Tissue Specificity:
Found in lymphocytes; preferentially expressed in CD8+ cells.

Similarity:
Contains 2 EF-hand domains.

SWISS:
Q96C19

Gene ID:
79180

Database links:

Entrez Gene: 79180 Human

Entrez Gene: 27984 Mouse

Entrez Gene: 298609 Rat

SwissProt: Q96C19 Human

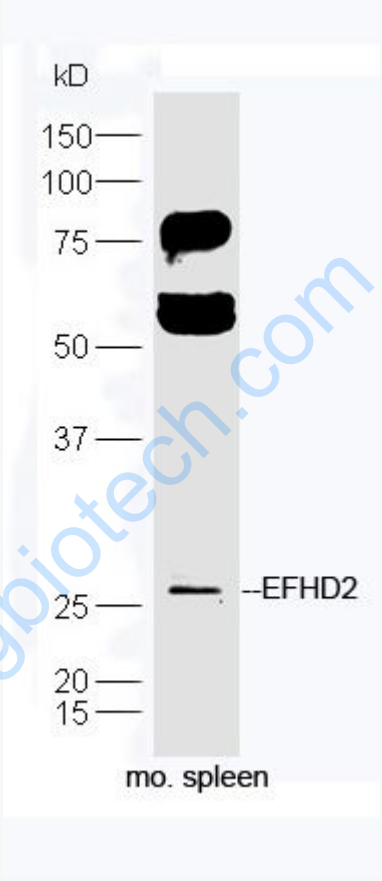
SwissProt: Q9D8Y0 Mouse

SwissProt: Q4FZY0 Rat

Unigene: 465374 Human

Unigene: 395598 Mouse

Unigene: 92713 Rat

	Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Picture:	 Protein:spleen(mouse) lysate at 40ug; Primary: rabbit Anti-EFHD2 (SL14520R) at 1:300; Secondary: HRP conjugated Goat-Anti-rabbit IgG(SL14520R) at 1: 5000; Predicted band size: 27 kD Observed band size: 27 kD